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(54) **Starch bound non-asbestos paper.**

(57) Non-asbestos flexible sheet material suitable for use as thermal insulation in domestic gas-fired boilers is made by dewatering on a water-permeable conveyor a layer of aqueous slurry and compressing and drying the dewatered layer, the aqueous slurry employed being one that contains the following ingredients in the following proportions by dry weight:

ball clay	35-50%
layer silicate mineral	
having plate-like particles	20-40%
cellulose fibres	at least 2%
starch	at least 2%
chopped glass fibre	5-12%
vitreous fibre in wool form	5-15%
bentonite	2-10%

the maximum content of combustible ingredients (including cellulose fibres and starch) in said slurry being 10% by dry weight.



DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	GB-A-2 031 043 (TURNER & NEWALL) * Whole document *	1,5,6	D 21 H 5/00 C 04 B 43/00
A	--- GB-A-2 060 728 (TURNER & NEWALL) * Whole document *	1,6	
A	--- CHEMICAL ABSTRACTS, vol. 96, no. 18, 3rd May 1982, page 68, no. 144183s, Columbus, Ohio, USA & ES - A - 497 191 (MONTERO FIBRAS Y ELASTOMEROS S.A.) 16-10-1981 * Abstract *	1,6	
A	--- ABSTR. BULL. INST. PAPER CHEM., vol. 51, no. 11, May 1981, page 1235, no. 11588 & JP - A - 80 158 159 (T. MIHARA et al.) 09-12-1980 * Abstract *	1,6	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
D,A	--- GB-A-2 088 917 (T & N MATERIALS RESEARCH) * Whole document *	1,4-6	C 04 B D 21 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-02-1984	Examiner NESTBY K.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			